

FEMA

RPPA 7.0 - 1

REP Post-Plume Awareness Course (RPPA)
RPPA Course Summary & Post-Test & End-of-Course Evaluation

Course Purpose

- The main purpose for the 1.0-day awareness-level AWR-351 REP Post-Plume Awareness (RPPA) course is to provide a precise training track which focuses on the unique considerations of the 50-mile Emergency Planning Zone (EPZ), Offsite Response Organizations (OROs) responsible for addressing the implementation of precautionary measures and protective actions relating to “Exposure” and “ingestion” interventions during the Post-Plume (Intermediate) phase of a radiological incident from a NRC-licensed commercial nuclear power plant (NPP).



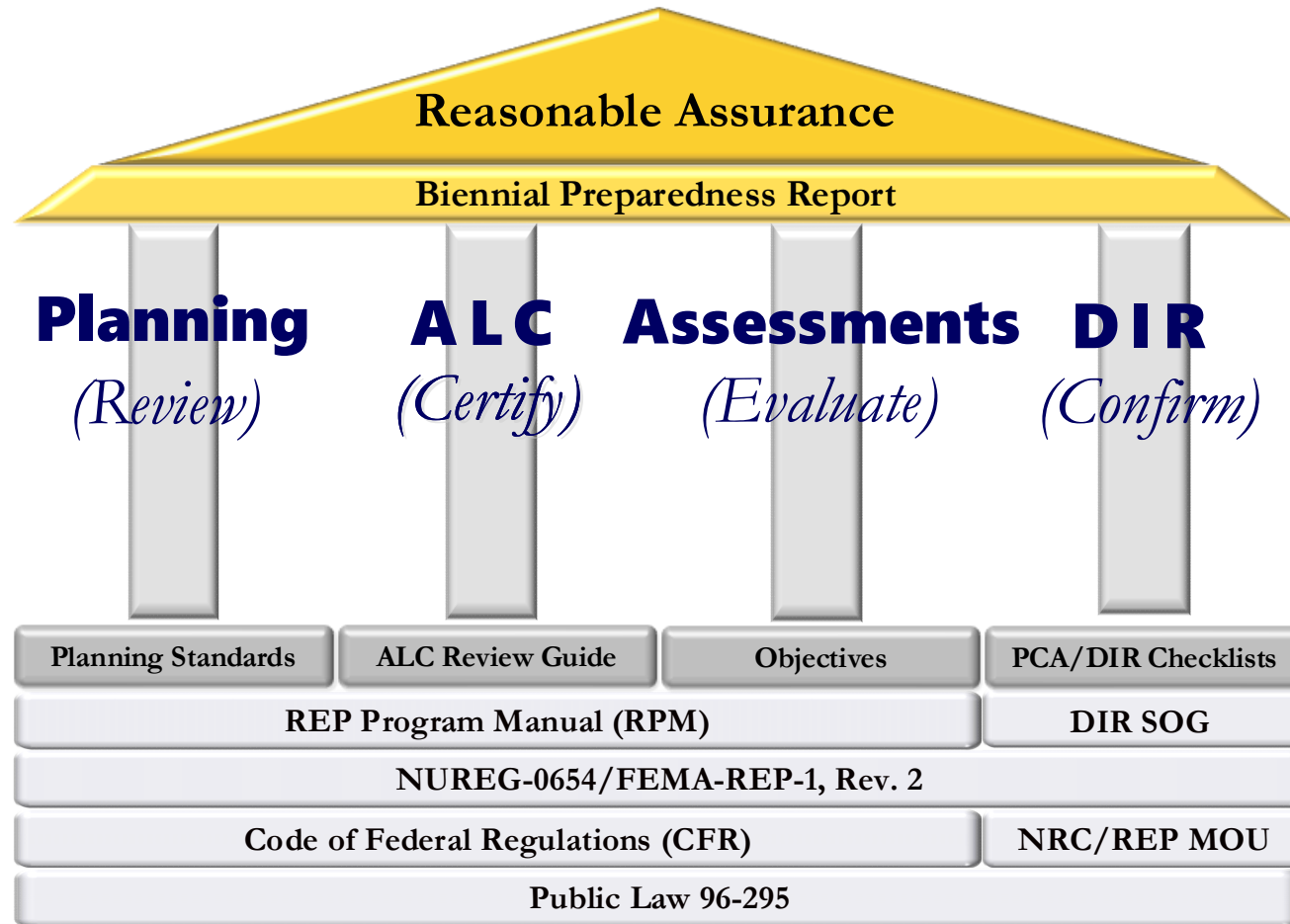
FEMA

RPPA 7.0 - 2

REP Post-Plume Awareness Course (RPPA)
RPPA Course Summary & Post-Test & End-of-Course Evaluation

Module 2.0 Review – REP Program Essentials

Planning and Preparedness Assessment Strategy



FEMA

RPPA 7.0 - 3

REP Post-Plume Awareness Course (RPPA)
RPPA Course Summary & Post-Test & End-of-Course Evaluation

Module 3.0 Review – Radiological Incident Phases

| Potential Exposure Pathway | Phases | | | Protective Actions | |
|---|---------------------------|---------------------------|----------|--|--|
| | | Site Area Emergency (SAE) | | Precautionary protective actions | Incident at NPP |
| External radiation from plume | Plume / Early (Emergency) | General Emergency (GE) | RESPONSE | <ul style="list-style-type: none"> Sheltering Evacuation Control of access | Start of Release |
| Inhalation of radioactivity in the plume | | | | <ul style="list-style-type: none"> Sheltering Stable Iodine Evacuation Control of access | Release Under Control and environmental measurements available |
| Contamination of skin and clothes | | Post-Plume / Intermediate | RECOVERY | <ul style="list-style-type: none"> Sheltering Evacuation Decontamination of persons & service animals | |
| External radiation from ground deposition | | | | <ul style="list-style-type: none"> Evacuation Relocation Decontamination of land and property | |
| Inhalation of resuspended radioactivity | | | | <ul style="list-style-type: none"> Relocation Decontamination of land and property | |
| Ingestion of contaminated food and water | | Ingestion | | <ul style="list-style-type: none"> Food and water controls | No Additional Protective Actions Needed |
| | | Long-Term Recovery | | | |



FEMA

RPPA 7.0 - 4

REP Post-Plume Awareness Course (RPPA)
RPPA Course Summary & Post-Test & End-of-Course Evaluation

Module 3.0 Review – Plume (Emergency/Early) Phase

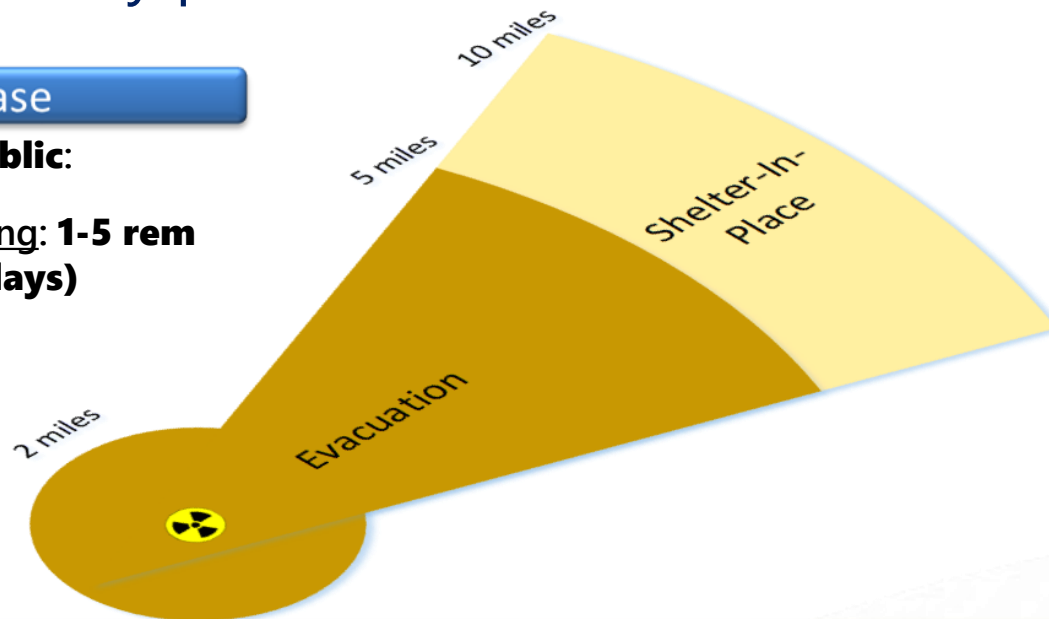
- Responsibilities/Actions

- Principle Protective Actions for Emergency/Early Phase
 - Actions taken for each Emergency Classification Level
 - Precautionary protective actions that could be taken

Early Phase

PAGs for **General Public**:

- Evacuation/Sheltering: **1-5 rem** projected dose (**4 days**)



FEMA

RPPA 7.0 - 5

REP Post-Plume Awareness Course (RPPA)
RPPA Course Summary & Post-Test & End-of-Course Evaluation

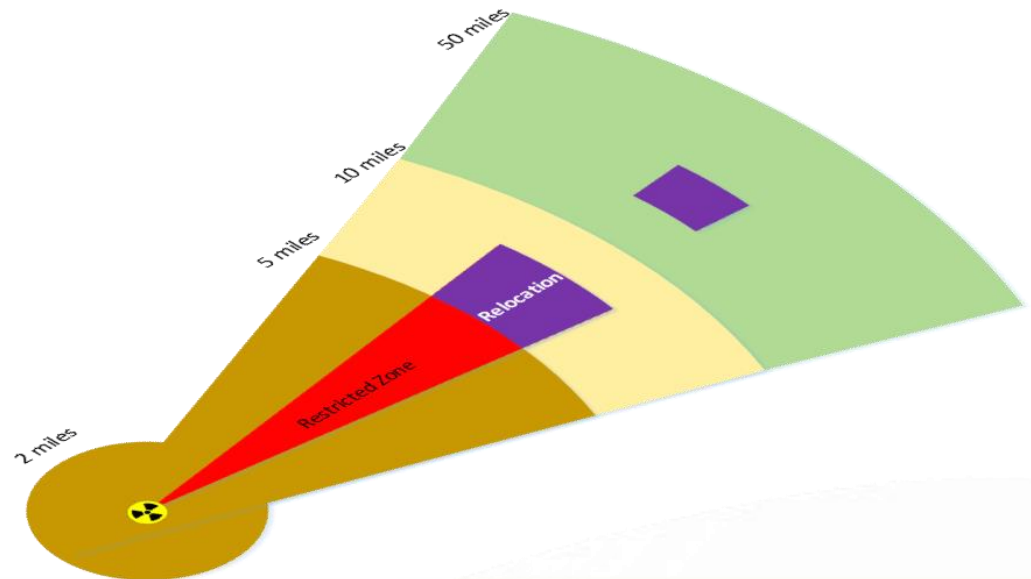
Module 4.0 Review - Post-Plume (Intermediate) Phase - Exposure Interventions

- Post-Plume (Intermediate) Phase, when plume release has ended and situation brought under control – Actions may include the establishment of additional restricted zones, relocation areas, re-entry procedures, return protocols and long term recovery.

Intermediate Phase

Relocation: ≥ 2 rem projected dose
(1st year / 365 days)

.5 rem projected dose
(2nd and subsequent years)



FEMA

RPPA 7.0 - 6

REP Post-Plume Awareness Course (RPPA)
RPPA Course Summary & Post-Test & End-of-Course Evaluation

Module 5.0 Review – Post-Plume (Intermediate) Phase - Ingestion Interventions

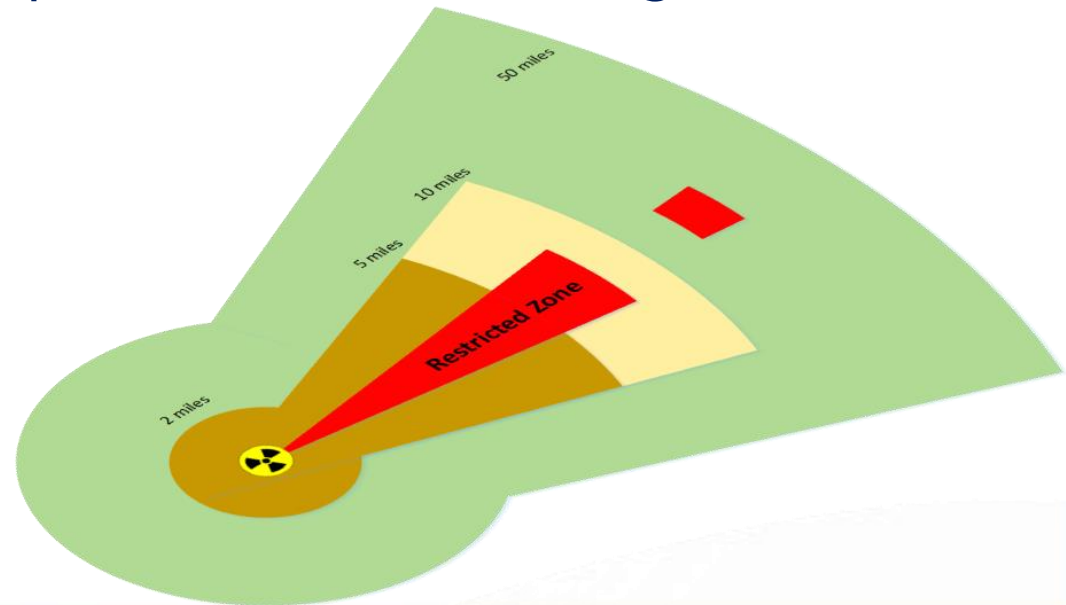
- The protection of the food & water supply from contamination of radioactive material is the top priority and actions taken to protect the food supply will be coordinated with the impacted counties during the incident.

Intermediate Phase

Ingestion (**Food**) (1 year): **0.5 rem** projected whole body or **5 rem** to most exposed part

Ingestion (**Water**) (1 year):
0.5 rem projected dose to the general population.

0.1 rem projected dose to the most sensitive populations



FEMA

RPPA 7.0 - 7

REP Post-Plume Awareness Course (RPPA)
RPPA Course Summary & Post-Test & End-of-Course Evaluation

Module 6.0 Review – Recovery (Late) Phase

- Recovery involves continued and extensive field sampling, damage/ impact assessments and the coordination of federal assistance and the nuclear insurance benefits.
 - Nuc/Rad Incident Annex (NRIA)
 - American Nuclear Insurers (ANI)
 - Price Anderson Act (PAA)



FEMA

RPPA 7.0 - 8

REP Post-Plume Awareness Course (RPPA)
RPPA Course Summary & Post-Test & End-of-Course Evaluation



FEMA

RPPA 7.0 - 9

REP Post-Plume Awareness Course (RPPA)
RPPA Course Summary & Post-Test & End-of-Course Evaluation

RPPA End-of-Course Evaluation

The hyperlink will launch directly into the assessment.

Complete the assessment in one sitting as the save feature for open assessments doesn't function the same as scheduled assessments.



FEMA

RPPA 7.0 – 10

REP Post-Plume Awareness Course (RPPA)
RPPA Course Summary & Post-Test & End-of-Course Evaluation

Module 7.0 – RPPA Post-Test - consists of 15 multiple-choice and true/false questions

70%

Open Login

Please enter your details below

Name:

123456789

FEMA SID w/o leading zeros

Group:

21N-0959 RPPA

Enter

- Enter ONLY **FEMA SID without leading zeros** into the **Name** field on the page that appears after clicking on the assessment link, and
- DO NOT alter the pre-populated name in the **Group** field
- For pretests, post-tests and surveys, complete the assessment ONLY ONCE unless instructed to do otherwise by the instructor. When completed, click: **Submit**



FEMA

RPPA 7.0 - 11

REP Post-Plume Awareness Course (RPPA)
RPPA Course Summary & Post-Test & End-of-Course Evaluation